

King County DNRP Water Quality Index

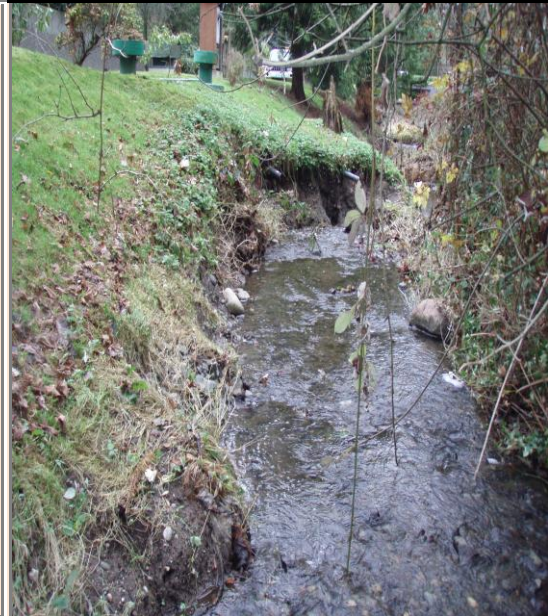
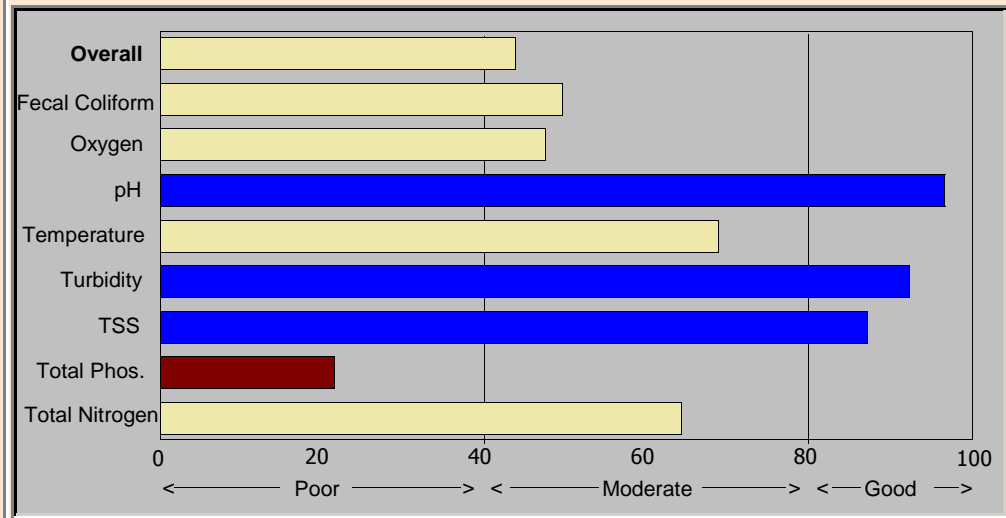
STATION **498** WATER YEAR **2008**

GAUGE # 16C Fairweather Creek **Overall Index 44**

From 1975 to 2008 King County collected water quality samples near the mouth of the creek at Station 0498 near the intersection of Fairweather Place and Hunts Point Place. Fairweather Creek is short, running only 1.4 miles before draining into the eastern shore of Lake Washington, and has a drainage area of approximately 600 acres. Chinook salmon have been observed in the creek. A 33-year (1975 – 2007) trend analysis was conducted with baseflow data collected from Fairweather Creek. The analysis showed some improvements in water quality since 1975 with significant decreases in nitrogen and fecal coliform. However, as with most streams in the King County monitoring program, a significant increase in water temperatures and decrease in dissolved oxygen occurred during the same time period.

Annual Water Quality Index Scores

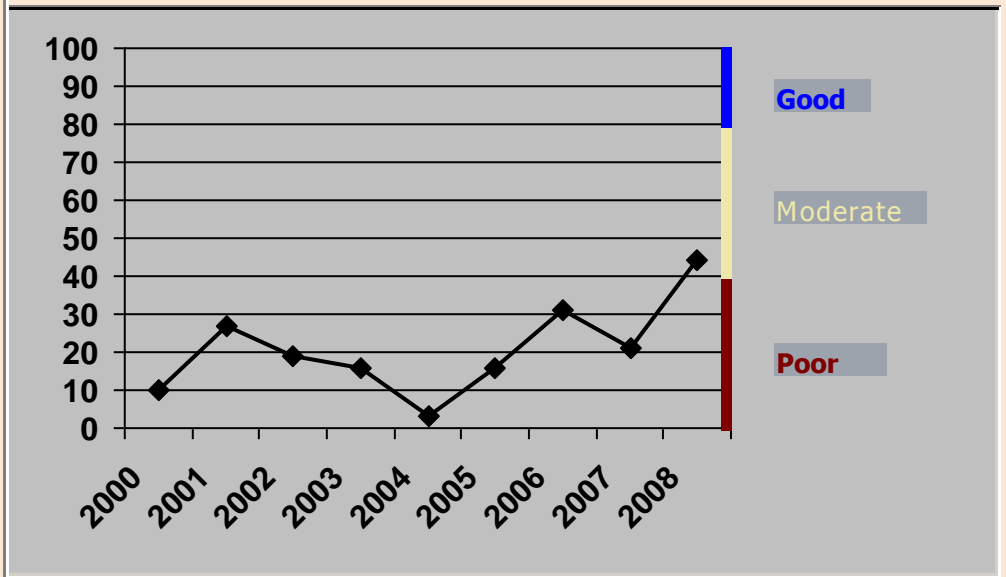
Water quality was MODERATE based on data collected 10/1/2007 to 9/30/2008.



Monthly Scores For Water Year 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
44	65	77	80	57	46	80	72	53	52	43	67

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>